

REMARKS

By the present response, claims 1, 7-9, 15 and 16 have been withdrawn. Further, Applicant has amended claims 2 and 10 to further clarify the invention. Claims 2-6 and 10-14 remain pending in the present application.

In the Office Action, the Examiner has rejected claims 2-6 and 10-14 under 35 U.S.C. § 112, first paragraph.

35 U.S.C. § 112 Rejections

Claims 2-6 and 10-14 under 35 U.S.C. § 112, first paragraph. Applicant respectfully traverses these rejections.

In the justification of these rejections, the Examiner states "neither the Specification nor figure identifies what consists of an edge of the metallized area, how the component is placed near an edge of the metallized area or how the discrete component, in view of its placement/connection to the edge, presents a higher impedance to the current due to the EM waves." Applicant respectfully disagrees and submits that the limitations in the claims of the present application are fully supported by Applicant's specification and figures.

The Examiner states that neither the specification nor figure identifies what consists of an edge of the metallized area. However, paragraph 18 in Applicant's specification and Figure 5 disclose a metallized area 400 within a mobile phone. Further, the term "edge" is well understood by one of ordinary skill of the art as it applies to a metallized area or edges of a substrate as mentioned in paragraph 2 of Applicant's specification, and paragraph 15 (the edge of the printed circuit board, and the edge of metallization patterns on the assembly). Further, paragraph 18 and Figure 5 show electromagnetic scattering 410 including arrows showing the direction of the waveforms. This direction would be understood by one of ordinary skill in the art as being related to a current path. This, in combination with Applicant's disclosure in paragraph 18 of electromagnetic scattering being attenuated at metallization edges by controlling the current path near the edge would clearly be understood that the edge referred to would be the edge in the direction of the electromagnetic scattering (i.e., the top portion of metallization area 400 shown in Figure 5). Further, the term "edge" is

clearly well known and understood as the boundary of a surface. The metallization area clearly displays four edges.

The Examiner further states that it is not clear how the component is placed near an edge of the metallized area. However, as Applicant has stated, this edge clearly would be understood to be the top portion of metallization area 400. Therefore, Figure 5 clearly shows the discrete components 520 being placed near an edge of the metallized area 400.

The Examiner further questions how the discrete component presents a higher impedance to the current due to the EM waves. However, Applicant's specification, for example paragraph 18, recite that the discrete components essentially obstruct the current path thereby attenuating the electro-magnetic waves by requiring them to use up much of their energy to get through the obstruction (higher impedance). Thus, the scattering electro-magnetic waves encounter higher impedances due to the discrete components near the edge of the metallized area. This is clearly disclosed and illustrated in Applicant's specification and drawings and would be understood by one of ordinary skill in the art. However, Applicant has amended the current claims to further clarify the invention.

Accordingly, Applicant submits that Applicant's claims are clearly enabled by Applicant's specification and drawings. Accordingly, Applicant respectfully requests that these rejections be withdrawn and that these claims be allowed.

Conclusion

In view of the foregoing amendments and remarks, Applicant submits that claims 2-6 and 10-14 are now in condition for allowance. Accordingly, early allowance of such claims is respectfully requested. If the Examiner has any questions about the present Amendment or anticipates finally rejecting any claim of the present application, a telephone interview is requested.

If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 13-4365.

Respectfully submitted,

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